

FIG.1

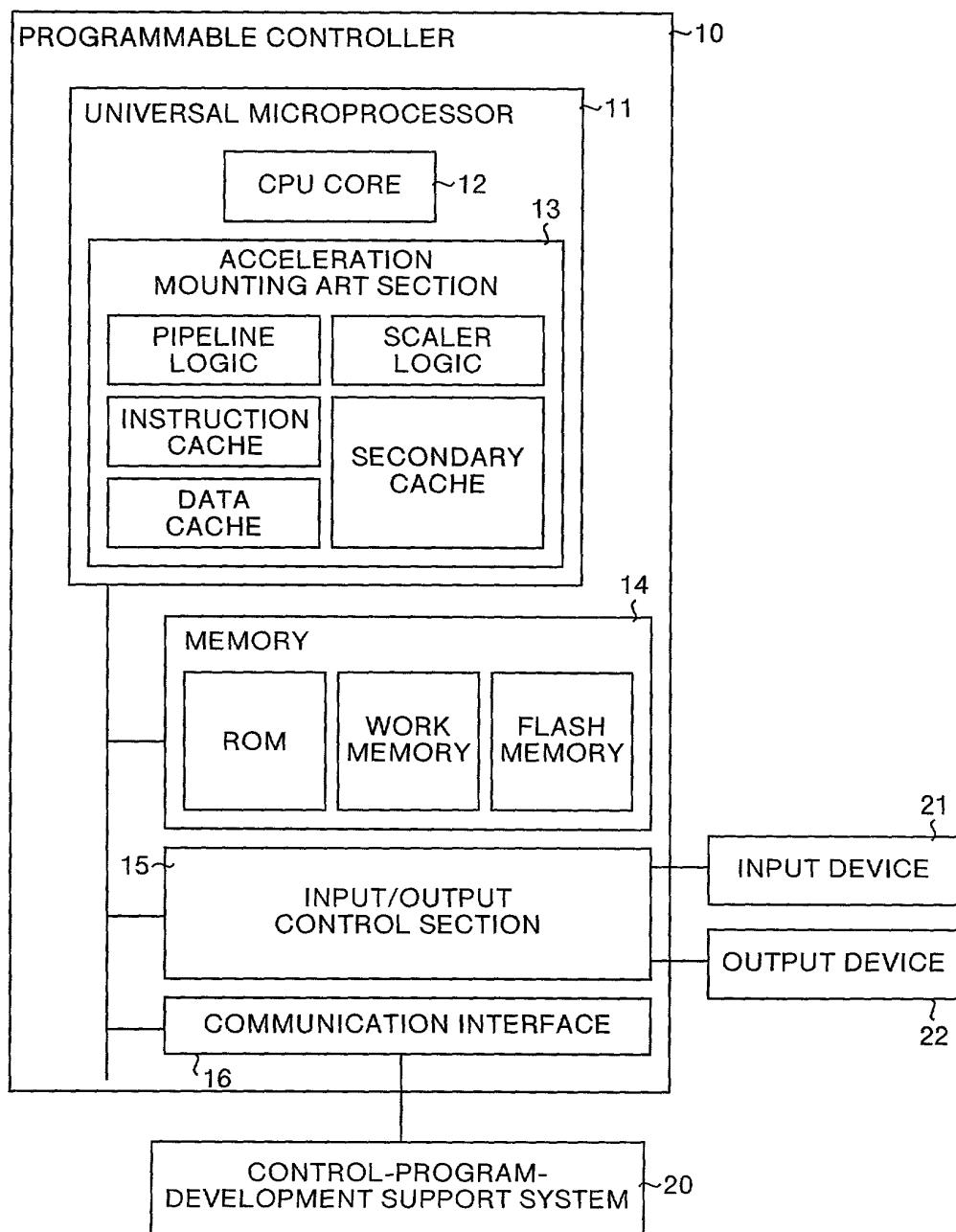


FIG.2

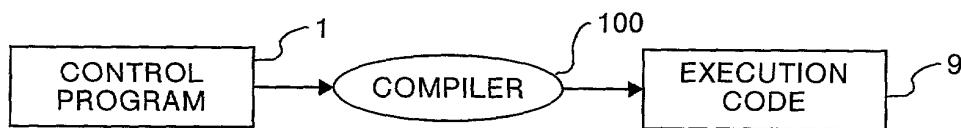


FIG.3

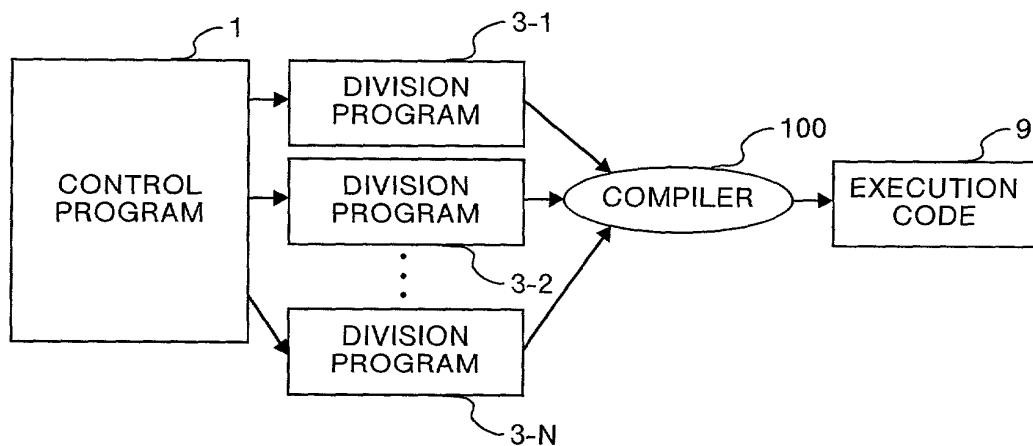


FIG.4

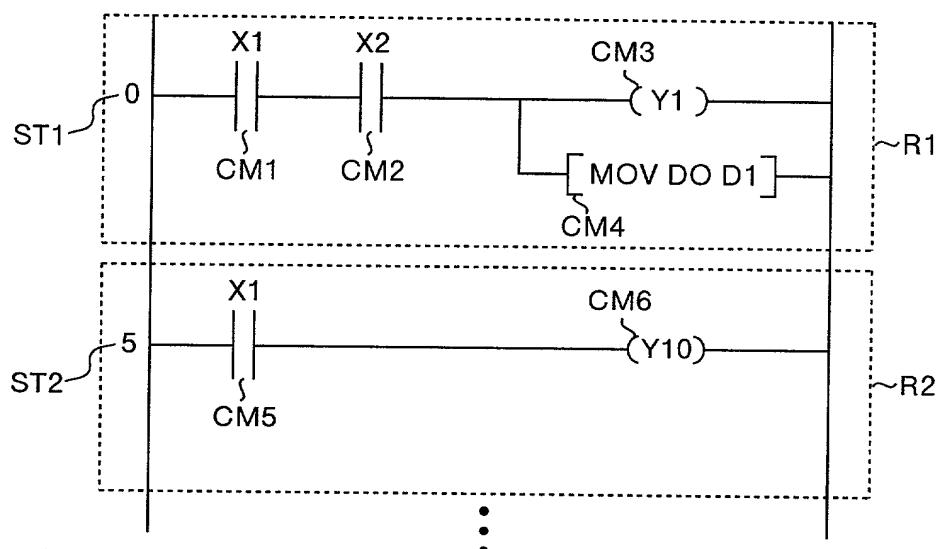
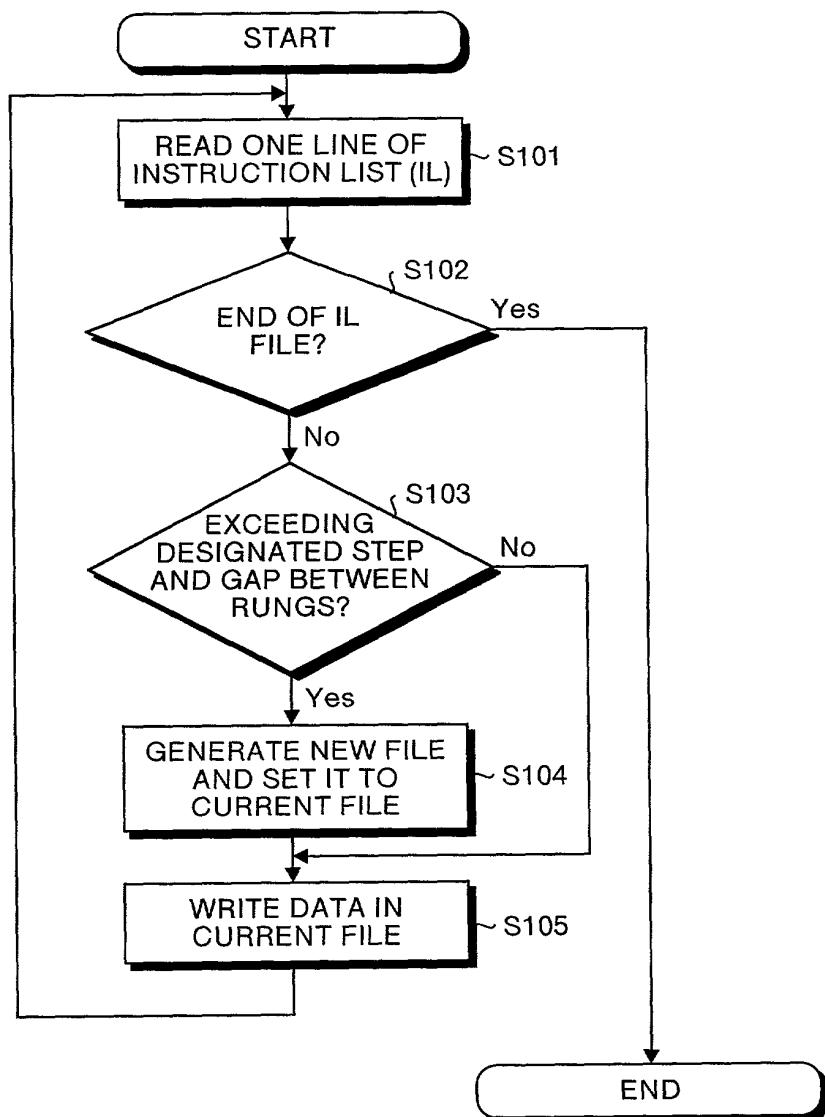


FIG.5

NUMBER OF STEPS	FILE NAME AFTER DIVISION
0~99	Control1.il
100~199	Control2.il
...	...
...	...
...	...

FIG.6



Title: Programmable Controller, And Control-Program-Development Supporting Apparatus

Inventors: MINAMIDE et al.

Atty Docket No.: 401073/SAKAI

Leydig, Voit & Mayer, Ltd.

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## FIG.7

JUMP- DESTINATION LABEL NAME	FILE NAME AFTER DIVISION
P 1	Control1.il
P 2	Control2.il
•	•
•	•
•	•

FIG.8

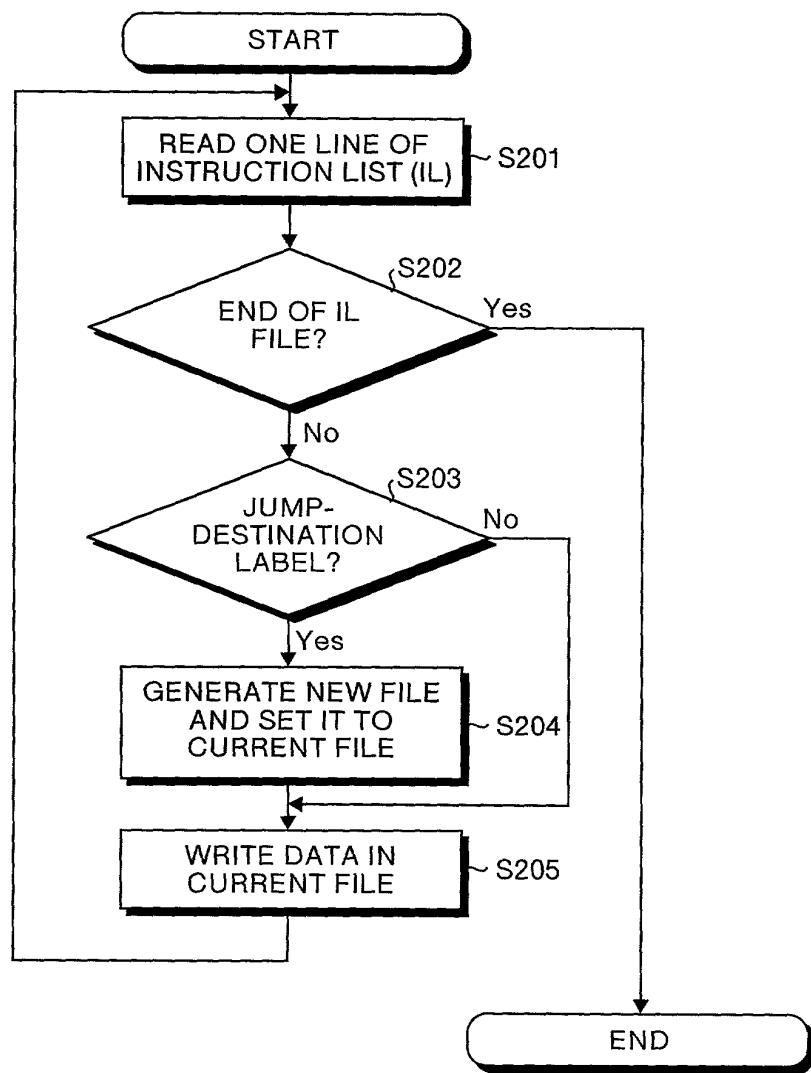


FIG.9

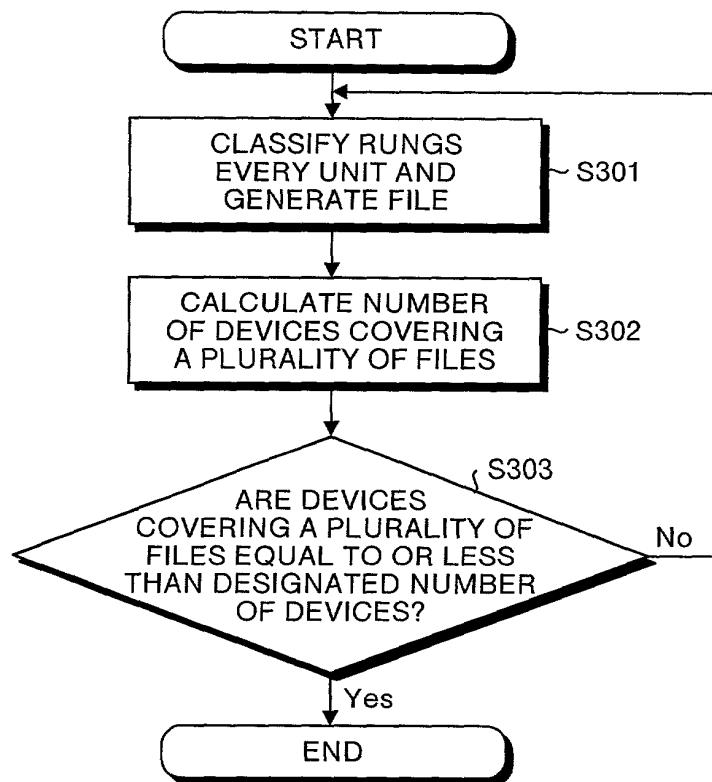


FIG.10

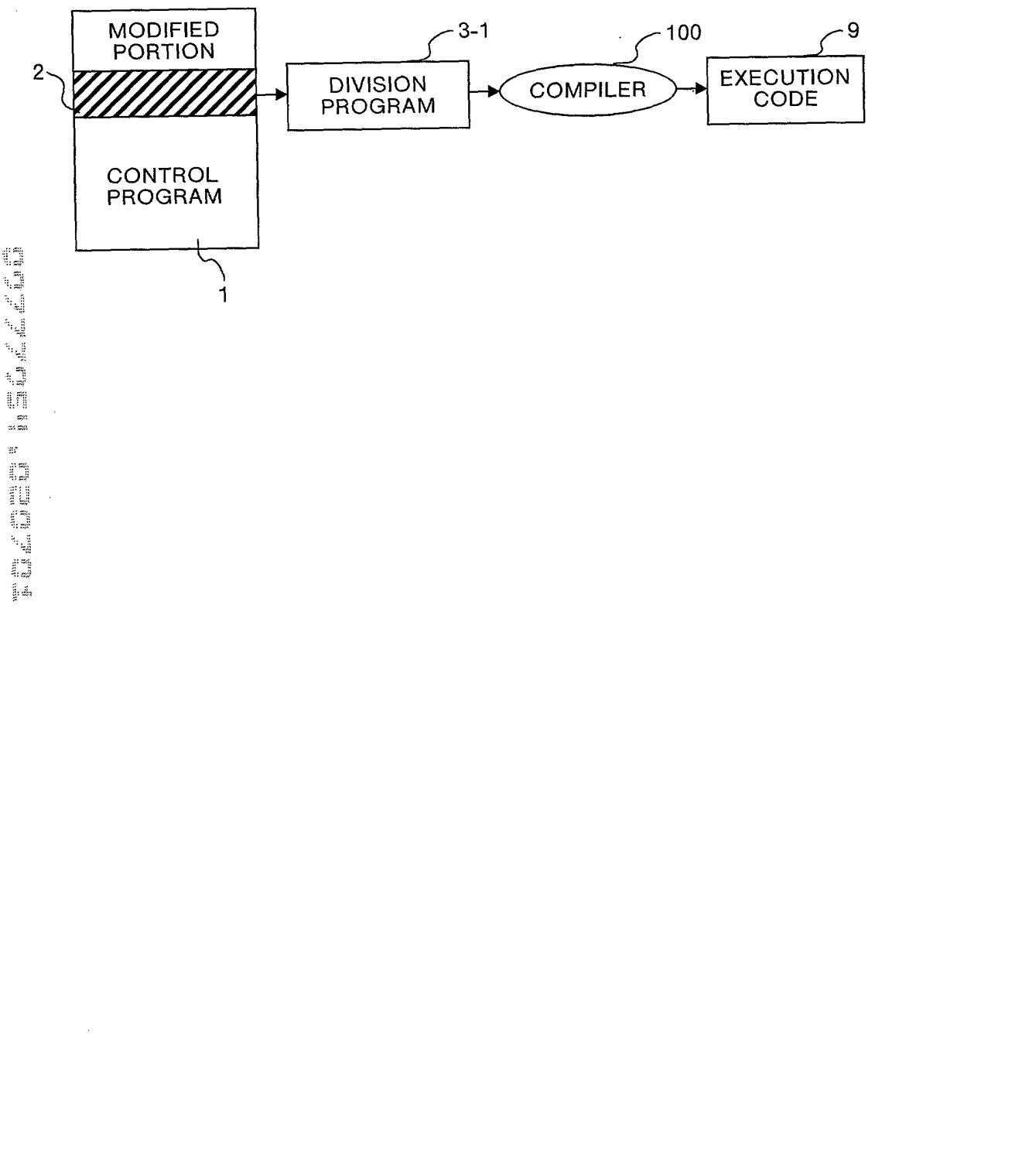


FIG. 11

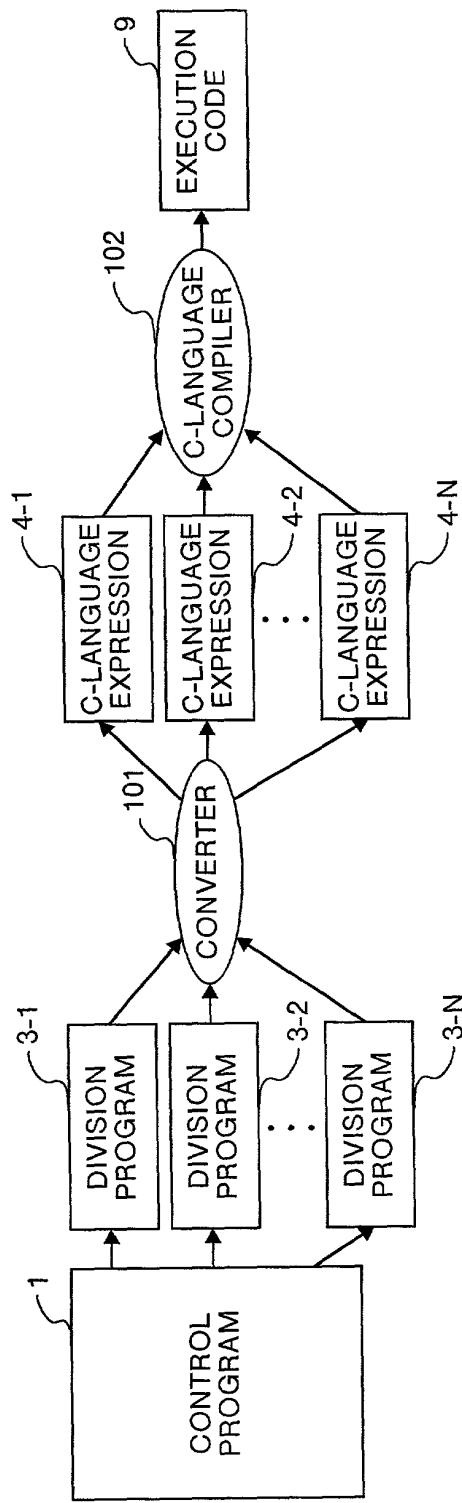


FIG. 12

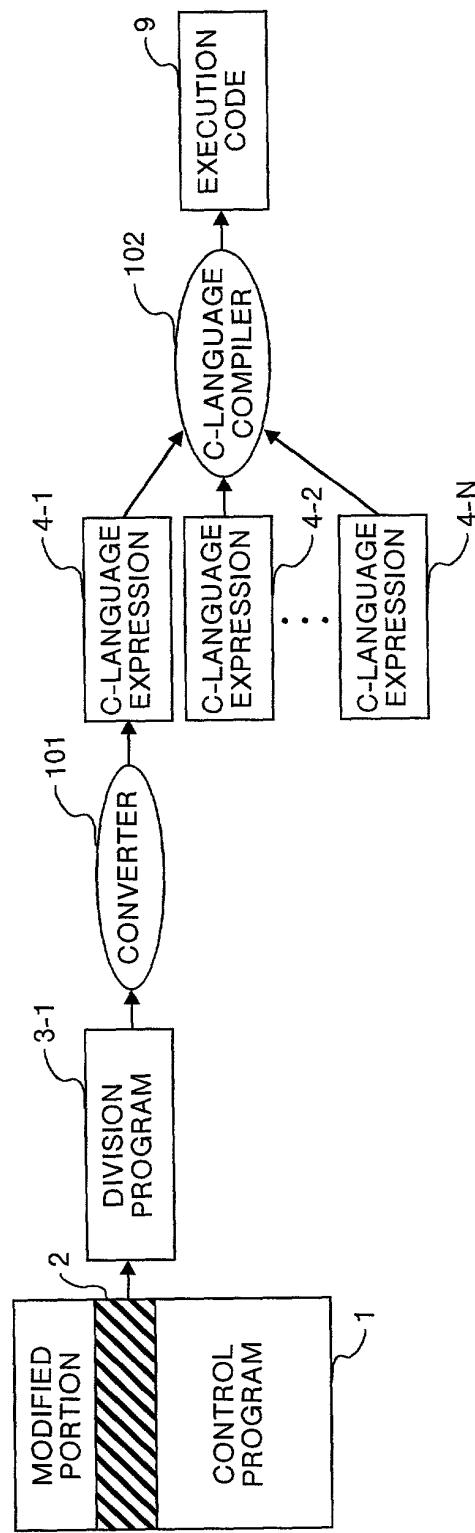


FIG. 13

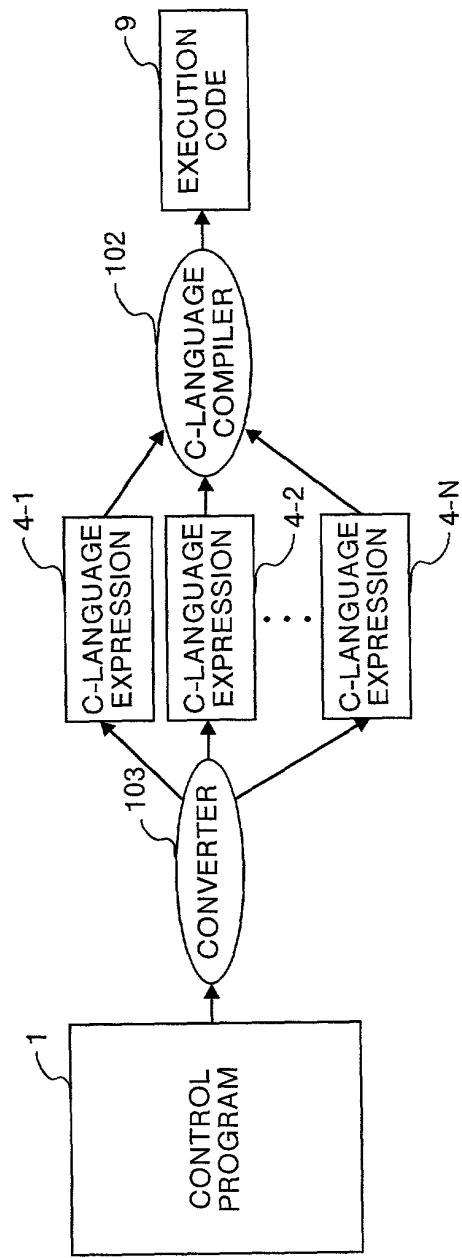


FIG. 14

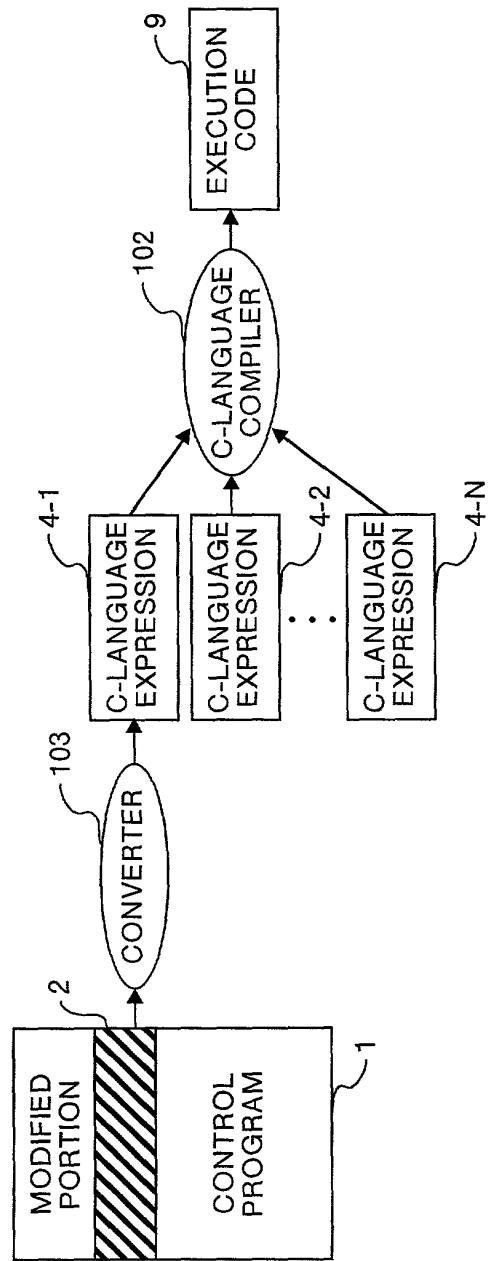
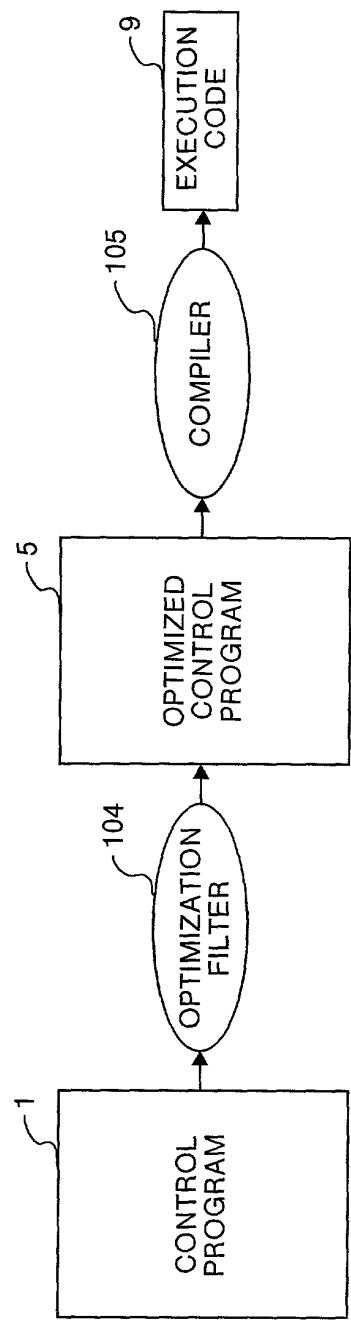


FIG. 15



## FIG.16

INSTRUCTION	SIZE (NUMBER OF STEPS)	PROCESSING TIME (msec)
LD,OUT	1K	XX
LD,AND,OUT	1K	YY
:	:	:
LDI,AND,OUT	10K	ZZ
:	:	:

FIG. 17

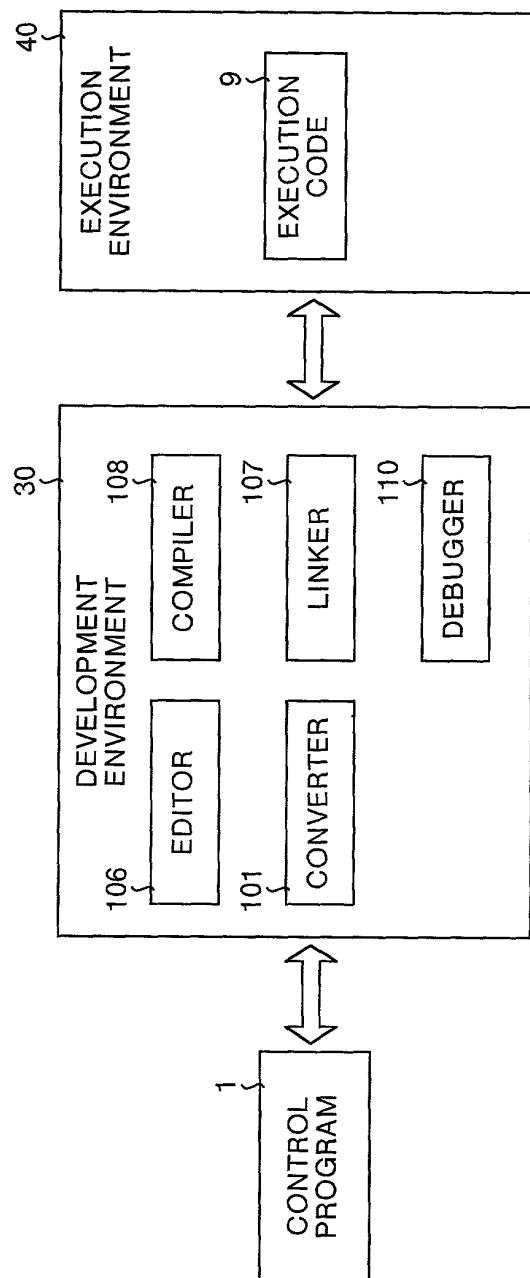


FIG.18

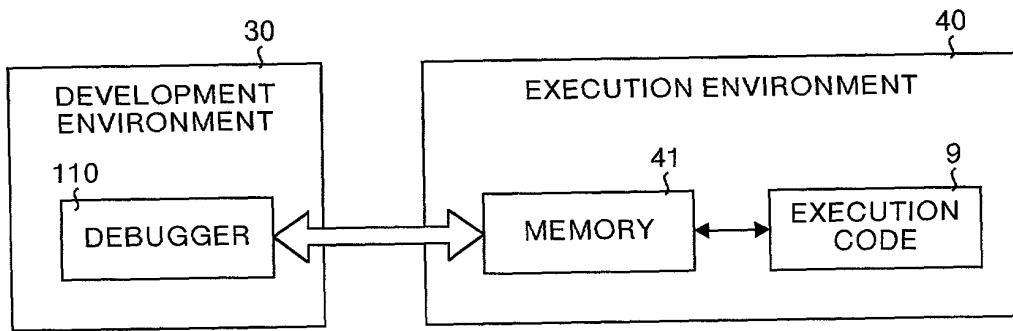


FIG.19

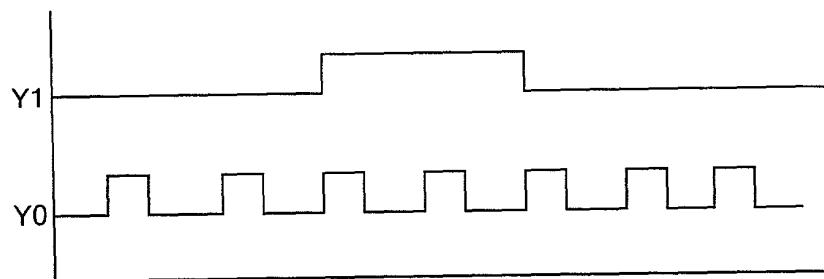


FIG.20

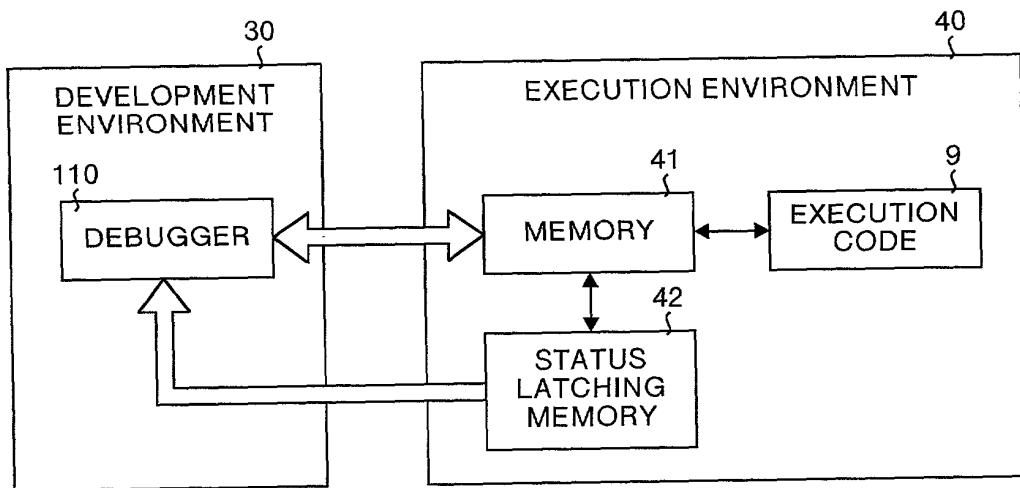


FIG.21

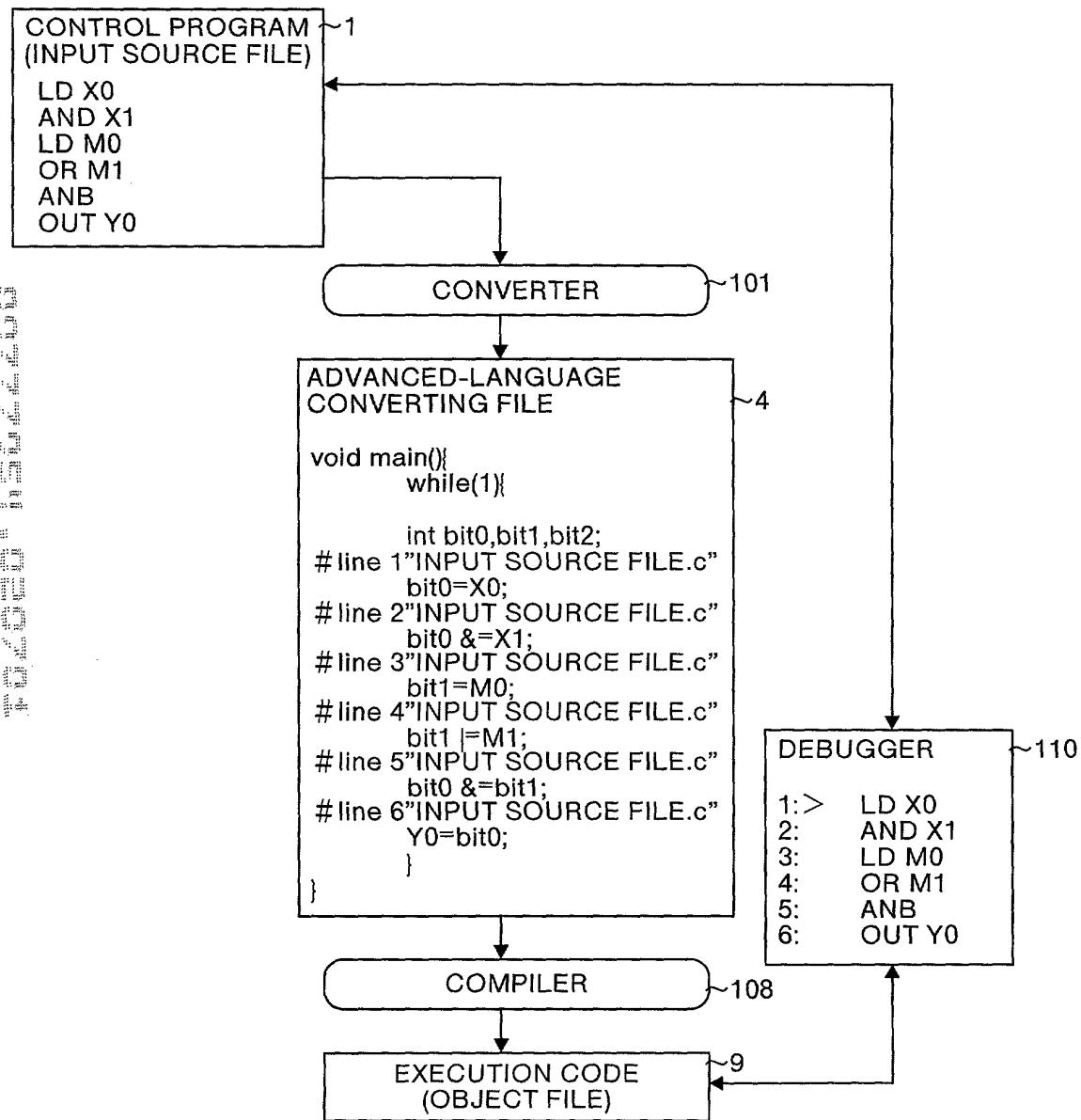


FIG.22A

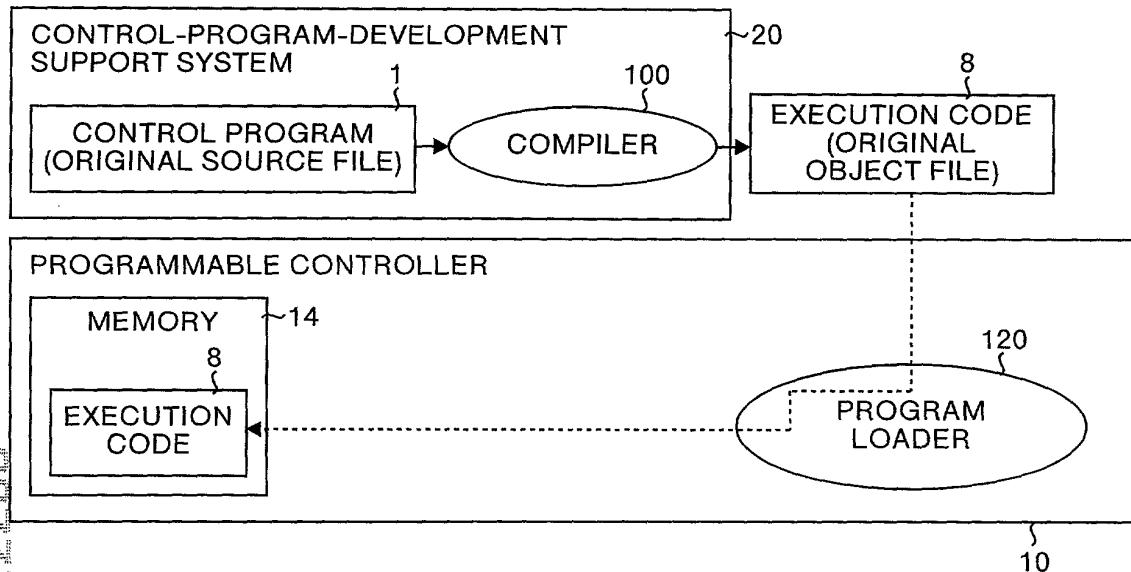


FIG.22B

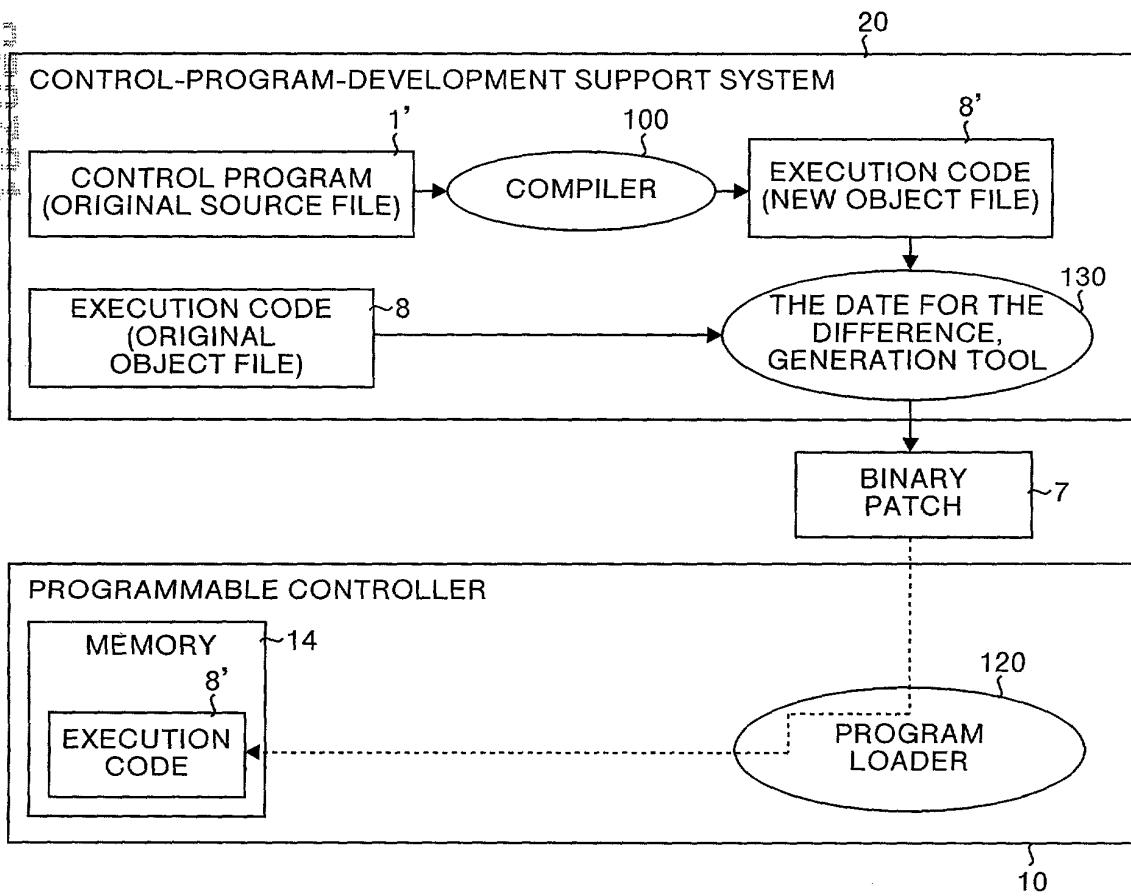
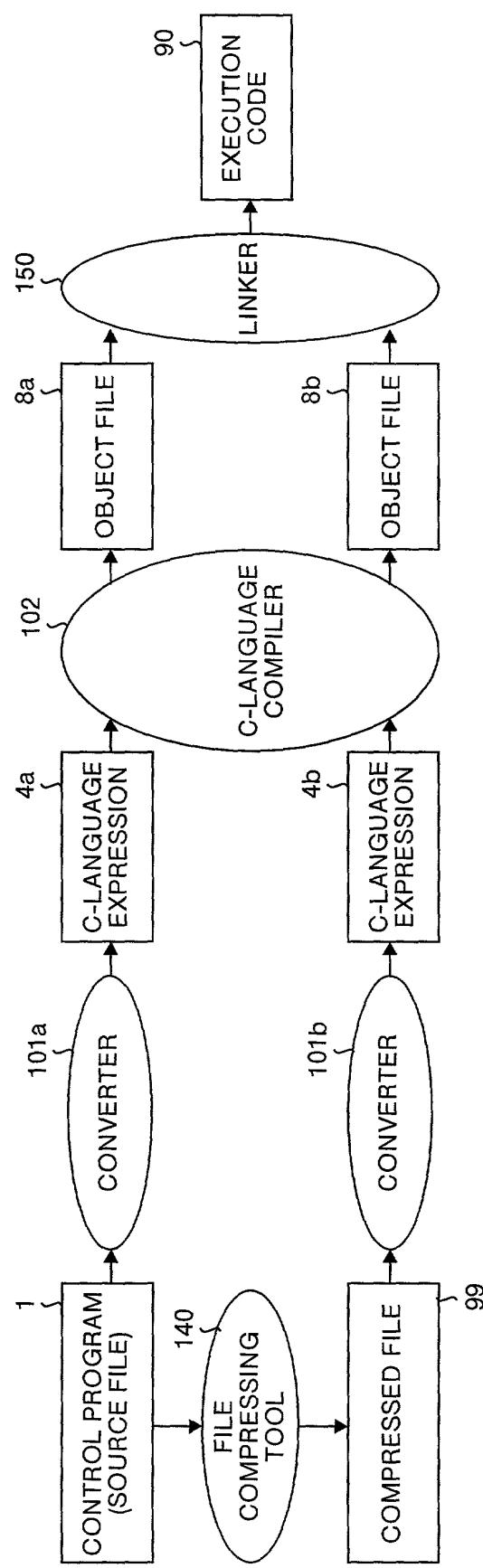


FIG.23



## FIG.24

### SOURCE FILE

```
LD      X0
OR      X2
LD      X1
OR      X3
ANB
LD      X4
AND     X5
ORB
OUT     M0
LD      X1C
MPS
AND     M8
OUT     Y30
MPP
OUT     Y31
LD      X1D
MPS
AND     M9
MPS
AND     M68
OUT     Y32
MPP
AND     T0
OUT     Y33
MPP
OUT     Y34
```

## FIG. 25

### C-LANGUAGE EXPRESSION OF COMPRESSED FILE

```
signed char* _InputSourceName="sample.il.gz";
```

```
unsigned char _InputSource[]={  
0x1f,0x8b,0x08,0x08,0x9b,0xd9,0x84,0x39,0x00,0x03,0x73,0x61,0x6d,0x70,0x6c,0x65,  
0x2e,0x69,0x6c,0x00,0x73,0x71,0xe1,0x8c,0x30,0xe0,0xe5,0xf2,0x0f,0xe2,0x8c,0x30,  
0xe2,0xe5,0xf2,0x01,0xf2,0x0c,0x21,0x3c,0x63,0x5e,0x2e,0x47,0x8f,0x27,0x88,0x90,  
0x9,0x88,0x0d,0xa4,0x4d,0x41,0x52,0x40,0x31,0xff,0xd0,0x10,0x4e,0x5f,0x03,0xa8,  
0x72,0x67,0x5e,0x2e,0xdf,0x80,0x60,0x88,0xa,0x5f,0x0b,0x88,0x64,0xa4,0xb1,0x01,  
0x48,0x34,0x00,0xc6,0x33,0x84,0xaa,0x75,0x41,0x56,0x6b,0x89,0xcc,0x31,0x83,0xeb,  
0x34,0x82,0xea,0x04,0x09,0x87,0x18,0xc0,0x44,0x8d,0x51,0xcc,0x03,0xcc,0x08,0x00,  
0x10,0xeb,0x7d,0x3a,0xb9,0x00,0x00,0x00};
```

FIG. 26

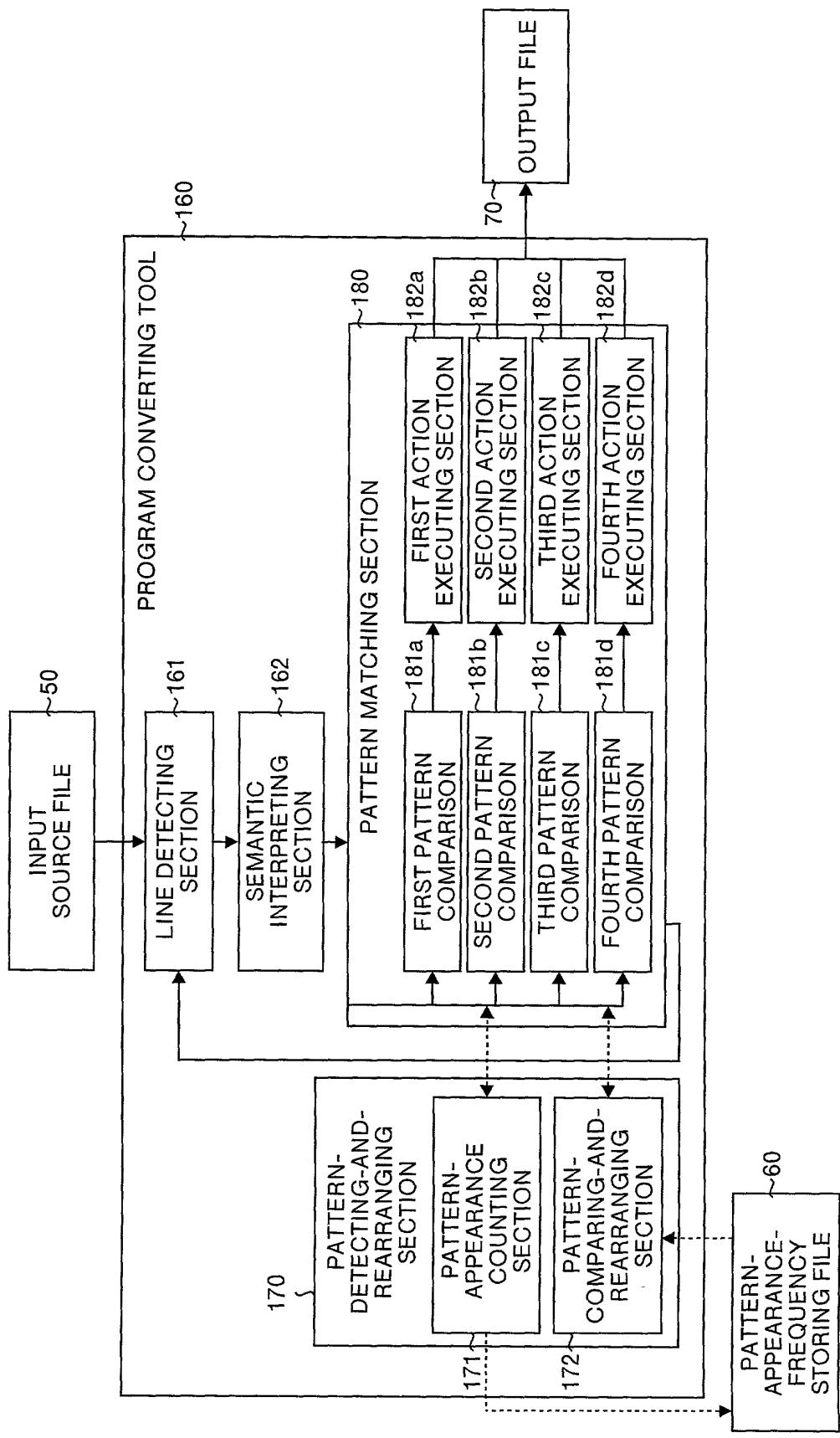


FIG.27

